Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1704733

Luminaire Tested: GSS-SB6A-AMB-U-SLR-HSS

Issue Date: 10/28/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1704733
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	10/28/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-AMB-U-SLR-HSS
Description:	GALLEON SITE SLIM HIGH DENSITY LED ARRAYS 6SQUARE 196W 1590K FIXTURE w/ RIGHT 90 DEG SPILL CONTROL DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(156) 1590K CCT, 0 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8662.4 lumens
Efficiency:	N/A
Efficacy:	44.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	196
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

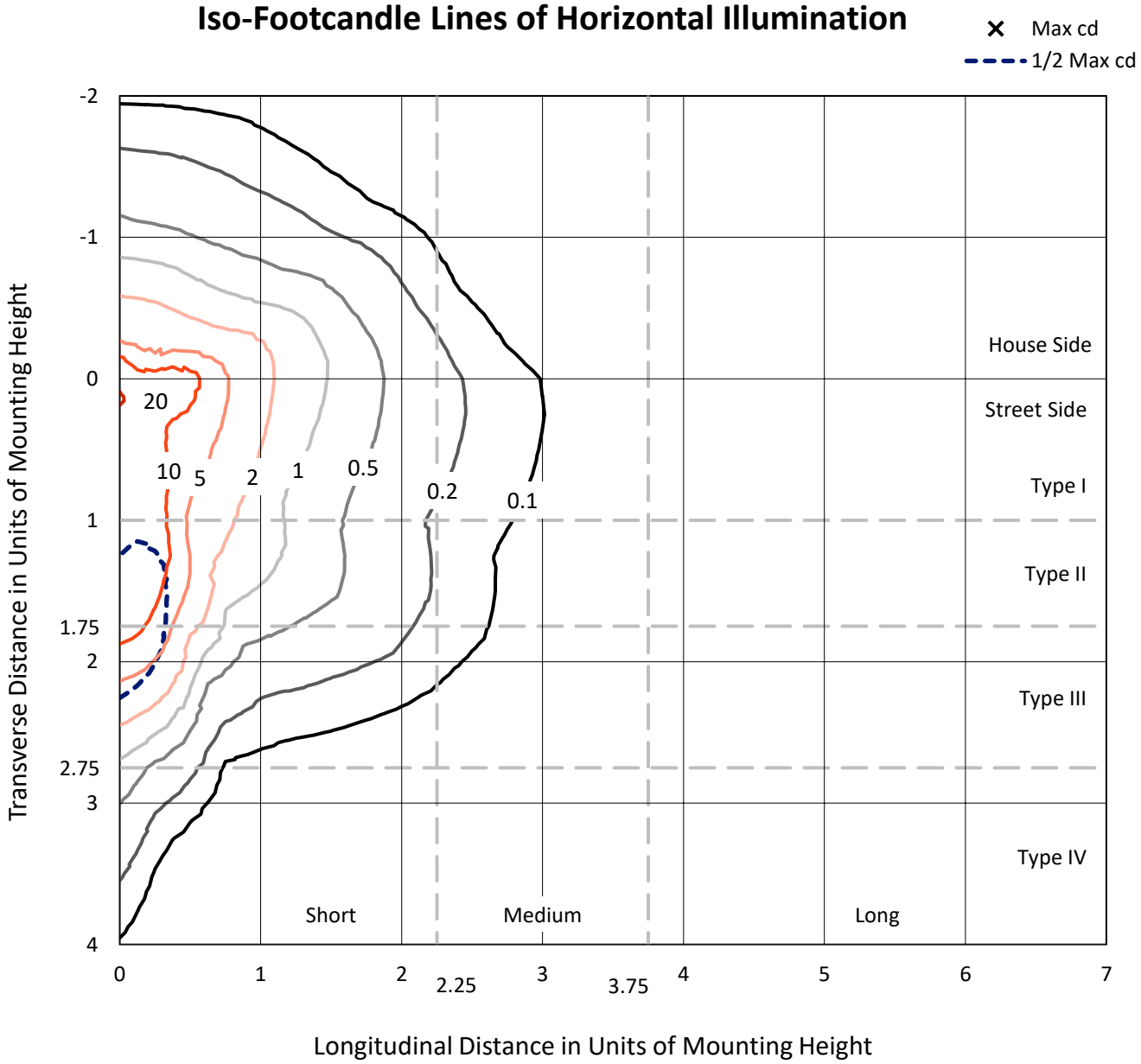


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Iso-Footcandle Lines of Horizontal Illumination



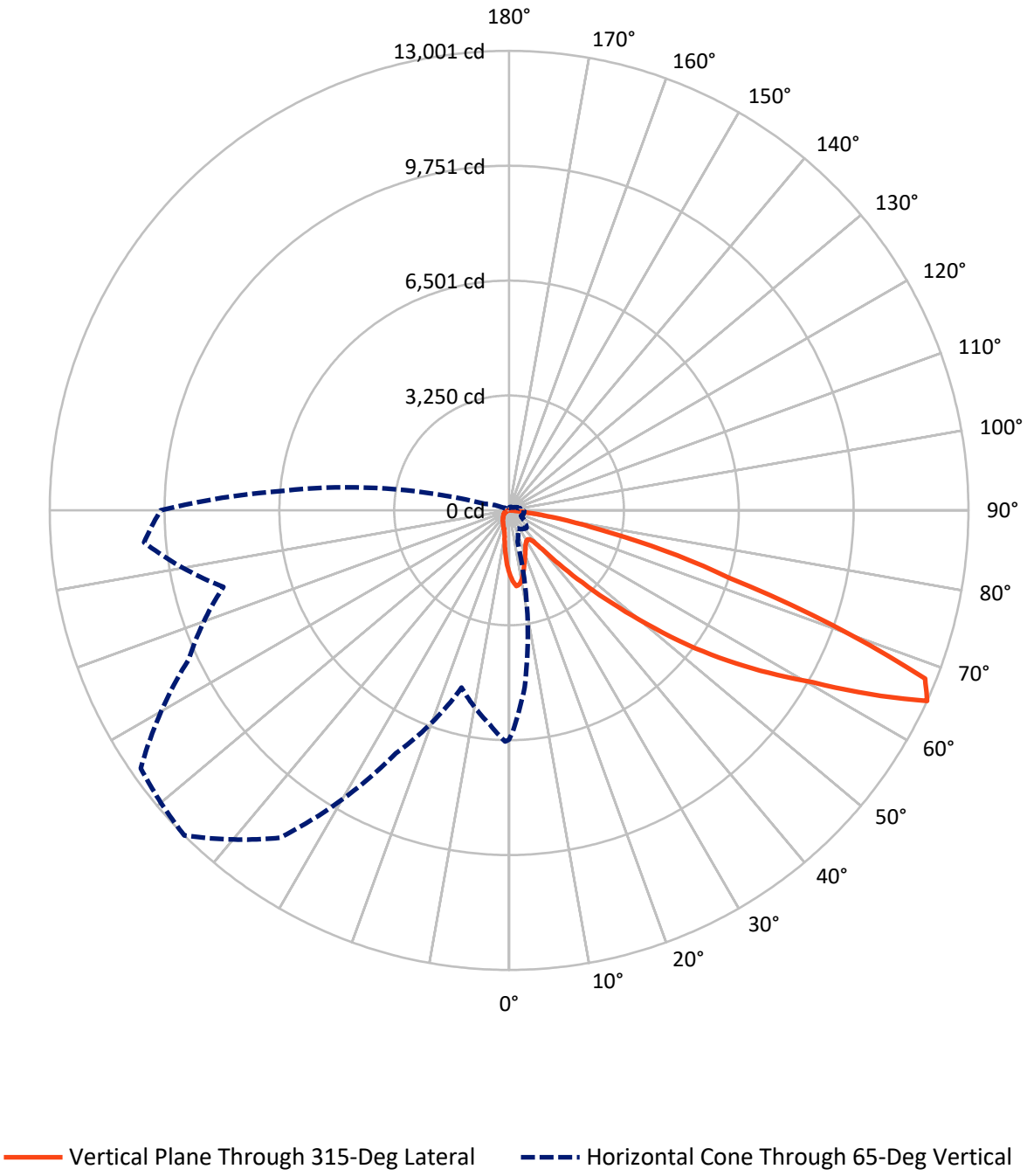
Based on 10 foot mounting height. Maximum calculated value = 20.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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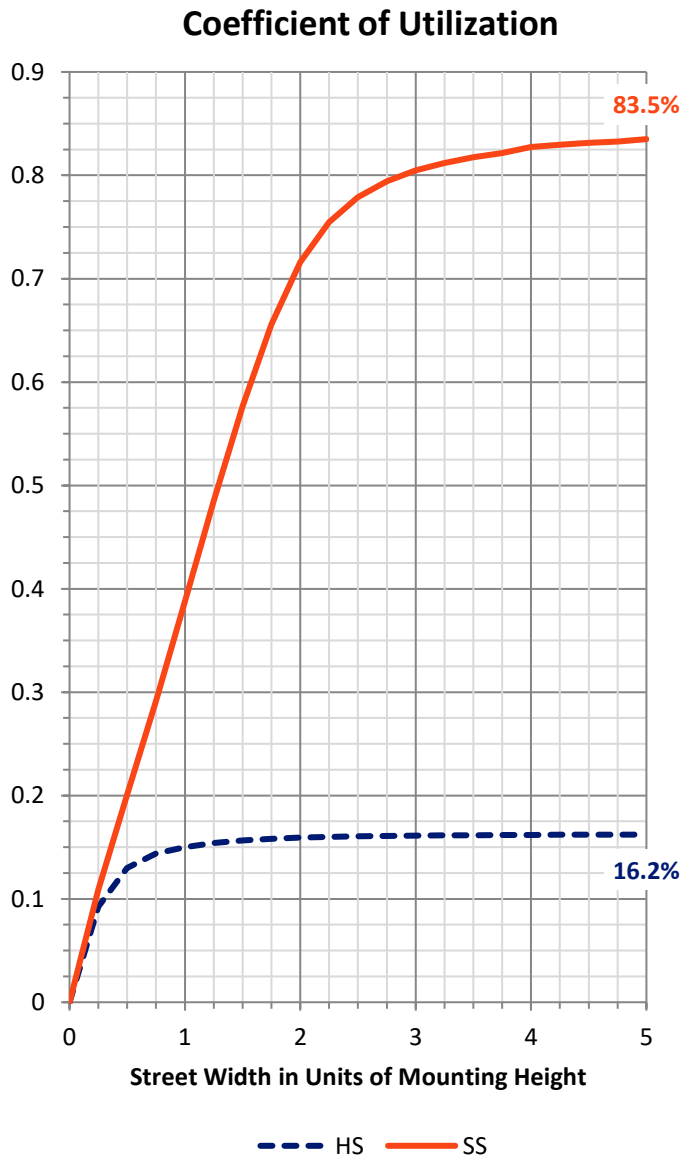
REPORT NUMBER: P1704733
CATALOG NUMBER: GSS-SB6A-AMB-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1418.8	0.0	1418.8
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	7243.6	0.0	7243.6
	% Fixture	83.6	0.0	83.6
Total	Lumens	8662.4	0.0	8662.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.6	1.8
10°-20°	392.9	4.5
20°-30°	534.2	6.2
30°-40°	652.5	7.5
40°-50°	1010.0	11.7
50°-60°	1965.7	22.7
60°-70°	2654.0	30.6
70°-80°	1204.4	13.9
80°-90°	89.1	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8662.4	100.0
0°-180°	8662.4	100.0



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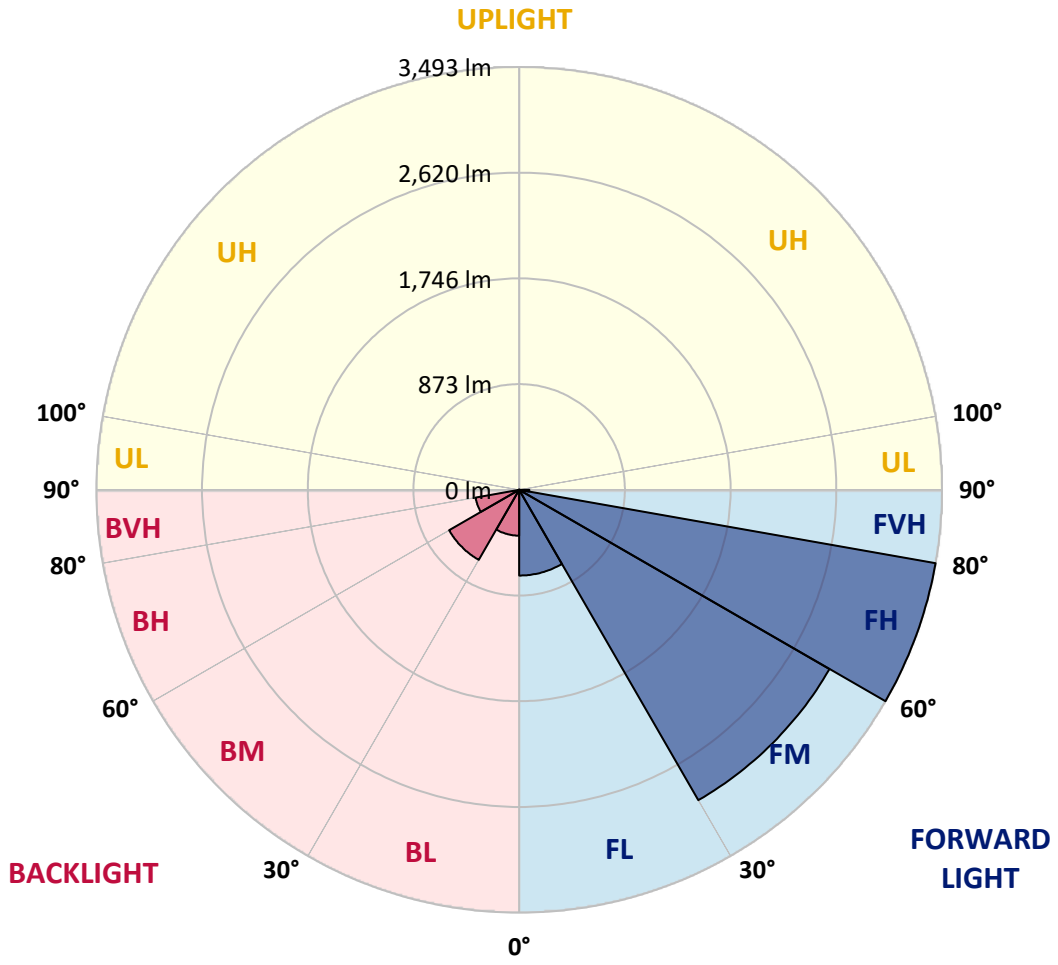
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	708.0	8.2			
FM	(30°-60°)	2959.9	34.2			
FH	(60°-80°)	3492.7	40.3			G2/5000
FVH	(80°-90°)	82.9	1.0			G1/100
BL	(0°-30°)	378.6	4.4	B1/500		
BM	(30°-60°)	668.3	7.7	B1/1000		
BH	(60°-80°)	365.7	4.2	B1/500		G1/500
BVH	(80°-90°)	6.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9
2.5°	1966.1	1949.9	1944.5	1912.1	1879.7	1852.7	1809.5	1777.1	1728.5	1696.1	1663.6
5°	2085.0	2074.2	2068.8	1987.7	1939.1	1874.3	1804.1	1723.1	1642.0	1571.8	1480.0
7.5°	2139.0	2112.0	2101.2	2025.5	1944.5	1874.3	1798.7	1706.9	1598.8	1496.2	1361.2
10°	2133.6	2117.4	2122.8	2052.6	1949.9	1858.1	1777.1	1712.3	1620.4	1512.4	1339.6
12.5°	2128.2	2117.4	2144.4	2079.6	1966.1	1868.9	1782.5	1733.9	1669.1	1598.8	1436.8
15°	2085.0	2101.2	2149.8	2117.4	1971.5	1868.9	1771.7	1701.5	1696.1	1739.3	1647.4
17.5°	2074.2	2085.0	2155.2	2144.4	1993.1	1852.7	1712.3	1663.6	1733.9	1874.3	1885.1
20°	2052.6	2074.2	2176.8	2176.8	2003.9	1787.9	1593.4	1566.4	1723.1	1933.7	2036.3
22.5°	2030.9	2058.0	2176.8	2220.0	2009.3	1690.7	1431.4	1453.0	1647.4	1868.9	2020.1
25°	2014.7	2058.0	2214.6	2301.0	2020.1	1604.2	1296.4	1372.0	1528.6	1706.9	1831.1
27.5°	2025.5	2068.8	2263.2	2430.7	2058.0	1501.6	1220.7	1312.6	1431.4	1528.6	1620.4
30°	2052.6	2095.8	2355.0	2554.9	2133.6	1420.6	1193.7	1285.5	1355.8	1404.4	1447.6
32.5°	2101.2	2160.6	2463.1	2711.5	2220.0	1377.4	1182.9	1242.3	1274.7	1296.4	1301.8
35°	2198.4	2268.6	2603.5	2873.6	2236.2	1404.4	1199.1	1172.1	1182.9	1172.1	1155.9
37.5°	2322.6	2398.2	2798.0	3057.2	2166.0	1393.6	1209.9	1096.5	1080.3	1037.1	1026.3
40°	2495.5	2592.7	3062.6	3257.1	2052.6	1312.6	1215.3	1020.9	961.5	918.2	907.4
42.5°	2776.3	2841.2	3413.7	3494.7	1901.3	1226.1	1155.9	939.9	858.8	815.6	794.0
45°	3100.4	3213.9	3964.7	3743.2	1712.3	1123.5	1058.7	858.8	772.4	718.4	691.4
47.5°	3640.6	3835.0	4634.5	4067.3	1523.2	1031.7	934.5	772.4	675.2	626.6	632.0
50°	4569.6	4834.3	5801.2	4504.8	1350.4	977.7	804.8	664.4	588.8	578.0	594.2
52.5°	6001.0	6314.3	7308.2	4855.9	1236.9	945.3	718.4	578.0	545.5	545.5	572.6
55°	7761.9	8156.2	8707.2	4548.0	1166.7	918.2	702.2	507.7	518.5	523.9	550.9
57.5°	10187.2	10273.6	9512.0	3883.6	1031.7	896.6	718.4	475.3	496.9	513.1	534.7
60°	10775.9	10716.5	9031.2	2792.6	885.8	853.4	734.6	475.3	469.9	491.5	507.7
62.5°	9268.9	9085.3	7707.9	1674.5	734.6	761.6	745.4	496.9	426.7	453.7	464.5
65°	*6487.2*	*6249.5*	*5023.4*	*929.1*	*567.2*	*642.8*	*702.2*	*523.9*	*372.7*	*415.9*	*426.7*
67.5°	3818.8	3732.4	2689.9	513.1	388.9	507.7	605.0	523.9	340.3	372.7	383.5
70°	2047.2	1831.1	1064.1	280.9	275.5	361.9	496.9	459.1	302.5	334.9	345.7
72.5°	1339.6	1150.5	513.1	156.6	205.3	253.9	329.5	367.3	280.9	302.5	313.3
75°	853.4	729.2	226.9	97.2	156.6	151.2	248.5	270.1	243.1	259.3	275.5
77.5°	297.1	248.5	75.6	54.0	102.6	108.0	183.6	162.0	189.1	194.5	216.1
80°	124.2	102.6	48.6	43.2	54.0	64.8	129.6	102.6	108.0	135.0	151.2
82.5°	32.4	32.4	21.6	27.0	32.4	37.8	48.6	64.8	64.8	91.8	91.8
85°	10.8	10.8	10.8	16.2	16.2	16.2	27.0	37.8	37.8	48.6	43.2
87.5°	0.0	0.0	0.0	0.0	5.4	5.4	5.4	16.2	16.2	21.6	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9
2.5°	1642.0	1620.4	1593.4	1561.0	1566.4	1544.8	1561.0	1566.4	1588.0	1609.6	1609.6
5°	1431.4	1409.8	1334.2	1290.9	1247.7	1253.1	1242.3	1247.7	1296.4	1339.6	1372.0
7.5°	1296.4	1242.3	1123.5	1042.5	983.1	977.7	966.9	1004.7	1031.7	1091.1	1139.7
10°	1258.5	1166.7	988.5	848.0	772.4	750.8	761.6	767.0	799.4	858.8	896.6
12.5°	1312.6	1182.9	918.2	718.4	648.2	626.6	621.2	615.8	621.2	659.0	669.8
15°	1528.6	1318.0	923.6	659.0	578.0	556.4	534.7	513.1	496.9	502.3	513.1
17.5°	1782.5	1550.2	977.7	632.0	556.4	523.9	480.7	459.1	442.9	432.1	432.1
20°	1955.3	1739.3	1015.5	610.4	529.3	480.7	448.3	421.3	405.1	399.7	399.7
22.5°	2009.3	1831.1	1026.3	599.6	496.9	442.9	415.9	394.3	378.1	372.7	372.7
25°	1885.1	1750.1	977.7	583.4	459.1	405.1	383.5	367.3	351.1	351.1	351.1
27.5°	1642.0	1555.6	902.0	567.2	426.7	378.1	361.9	340.3	329.5	329.5	329.5
30°	1420.6	1355.8	826.4	534.7	399.7	351.1	334.9	318.7	307.9	307.9	313.3
32.5°	1269.3	1182.9	772.4	496.9	383.5	329.5	313.3	302.5	291.7	286.3	291.7
35°	1128.9	1064.1	740.0	469.9	356.5	307.9	291.7	286.3	270.1	270.1	270.1
37.5°	1010.1	961.5	723.8	437.5	340.3	286.3	270.1	264.7	248.5	248.5	253.9
40°	896.6	869.6	696.8	415.9	329.5	270.1	248.5	243.1	232.3	226.9	232.3
42.5°	788.6	783.2	664.4	394.3	307.9	248.5	226.9	221.5	210.7	210.7	216.1
45°	702.2	713.0	626.6	383.5	286.3	232.3	205.3	199.9	189.1	189.1	194.5
47.5°	642.8	653.6	583.4	378.1	275.5	216.1	189.1	178.2	172.8	172.8	183.6
50°	615.8	615.8	556.4	388.9	270.1	205.3	172.8	162.0	156.6	162.0	172.8
52.5°	583.4	599.6	540.1	399.7	248.5	194.5	162.0	151.2	151.2	156.6	162.0
55°	572.6	578.0	513.1	388.9	221.5	183.6	156.6	151.2	151.2	151.2	156.6
57.5°	545.5	556.4	453.7	351.1	194.5	167.4	145.8	140.4	140.4	140.4	145.8
60°	513.1	513.1	399.7	302.5	183.6	156.6	135.0	135.0	135.0	129.6	129.6
62.5°	469.9	442.9	334.9	253.9	162.0	140.4	124.2	124.2	113.4	108.0	108.0
65°	*415.9*	*367.3*	*264.7*	*216.1*	*140.4*	*118.8*	*113.4*	*108.0*	*91.8*	*75.6*	*75.6*
67.5°	361.9	302.5	199.9	172.8	118.8	102.6	97.2	97.2	81.0	64.8	64.8
70°	329.5	248.5	156.6	129.6	97.2	81.0	81.0	81.0	70.2	54.0	54.0
72.5°	297.1	205.3	129.6	108.0	75.6	59.4	70.2	70.2	59.4	43.2	43.2
75°	259.3	167.4	102.6	81.0	54.0	48.6	48.6	54.0	43.2	37.8	32.4
77.5°	205.3	124.2	70.2	48.6	37.8	32.4	37.8	37.8	27.0	21.6	21.6
80°	140.4	75.6	48.6	32.4	27.0	21.6	21.6	16.2	16.2	16.2	10.8
82.5°	81.0	48.6	27.0	21.6	16.2	10.8	5.4	10.8	10.8	10.8	10.8
85°	32.4	21.6	16.2	10.8	5.4	5.4	5.4	5.4	5.4	5.4	5.4
87.5°	16.2	16.2	10.8	5.4	0.0	0.0	0.0	0.0	5.4	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9
2.5°	1636.6	1652.8	1706.9	1733.9	1777.1	1814.9	1858.1	1890.5	1933.7	1917.5	1944.5
5°	1399.0	1474.6	1566.4	1658.2	1739.3	1831.1	1912.1	2003.9	2047.2	2063.4	2090.4
7.5°	1150.5	1269.3	1399.0	1550.2	1669.1	1809.5	1933.7	2047.2	2095.8	2112.0	2133.6
10°	918.2	1037.1	1193.7	1366.6	1544.8	1739.3	1890.5	2041.8	2095.8	2090.4	2101.2
12.5°	713.0	810.2	972.3	1166.7	1382.8	1620.4	1858.1	2025.5	2074.2	2041.8	2009.3
15°	529.3	610.4	767.0	972.3	1220.7	1490.8	1782.5	2009.3	2020.1	1966.1	1901.3
17.5°	437.5	464.5	556.4	777.8	1069.5	1388.2	1706.9	1982.3	1971.5	1895.9	1804.1
20°	394.3	399.7	410.5	534.7	880.4	1263.9	1631.2	1955.3	1939.1	1831.1	1706.9
22.5°	372.7	372.7	372.7	388.9	599.6	1080.3	1561.0	1928.3	1906.7	1771.7	1631.2
25°	351.1	351.1	351.1	351.1	394.3	831.8	1447.6	1912.1	1890.5	1733.9	1577.2
27.5°	329.5	340.3	334.9	334.9	340.3	594.2	1269.3	1901.3	1890.5	1701.5	1544.8
30°	313.3	318.7	318.7	313.3	318.7	372.7	1069.5	1868.9	1885.1	1690.7	1528.6
32.5°	297.1	302.5	302.5	297.1	297.1	313.3	885.8	1831.1	1912.1	1701.5	1534.0
35°	275.5	286.3	286.3	280.9	280.9	291.7	702.2	1798.7	1966.1	1750.1	1561.0
37.5°	259.3	264.7	264.7	264.7	264.7	275.5	550.9	1760.9	2030.9	1793.3	1598.8
40°	237.7	248.5	248.5	248.5	248.5	259.3	496.9	1728.5	2106.6	1858.1	1679.9
42.5°	221.5	232.3	232.3	232.3	237.7	248.5	464.5	1685.3	2257.8	1993.1	1798.7
45°	205.3	210.7	216.1	216.1	216.1	237.7	421.3	1733.9	2468.5	2160.6	1971.5
47.5°	183.6	194.5	194.5	199.9	199.9	226.9	361.9	2063.4	2825.0	2371.2	2209.2
50°	172.8	178.2	183.6	183.6	183.6	216.1	367.3	2554.9	3262.5	2684.5	2506.3
52.5°	167.4	172.8	172.8	167.4	167.4	205.3	437.5	2970.8	3921.5	3116.6	2938.4
55°	156.6	162.0	162.0	156.6	151.2	178.2	383.5	3235.5	4774.9	3991.7	3559.6
57.5°	145.8	151.2	151.2	140.4	140.4	151.2	286.3	3192.3	6249.5	5622.9	4828.9
60°	135.0	135.0	140.4	129.6	124.2	135.0	232.3	2711.5	7464.8	8523.5	6838.2
62.5°	113.4	118.8	124.2	118.8	108.0	118.8	189.1	1712.3	7691.7	10527.4	10689.5
65°	*86.4*	*102.6*	*108.0*	*108.0*	*91.8*	*102.6*	*167.4*	*707.6*	*6379.1*	*9863.1*	*10370.8*
67.5°	70.2	86.4	91.8	91.8	81.0	102.6	118.8	243.1	5045.0	8815.2	9393.1
70°	59.4	75.6	81.0	70.2	59.4	86.4	75.6	129.6	3219.3	7189.3	8345.3
72.5°	48.6	64.8	64.8	54.0	43.2	70.2	54.0	86.4	1809.5	5768.8	7319.0
75°	37.8	48.6	48.6	43.2	32.4	43.2	37.8	59.4	907.4	4191.5	5601.3
77.5°	21.6	32.4	37.8	32.4	21.6	27.0	27.0	37.8	351.1	2468.5	3656.8
80°	16.2	21.6	21.6	21.6	16.2	16.2	10.8	21.6	86.4	626.6	1101.9
82.5°	10.8	10.8	10.8	10.8	5.4	5.4	5.4	10.8	32.4	151.2	226.9
85°	5.4	10.8	5.4	5.4	0.0	0.0	0.0	0.0	5.4	32.4	54.0
87.5°	5.4	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1704733
CATALOG NUMBER: GSS-SB6A-AMB-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1787.9	1787.9	1787.9	*1787.9*	1787.9	1787.9	1787.9	1787.9	1787.9	1787.9
2.5°	1966.1	1971.5	1987.7	*2003.9*	1987.7	1982.3	1971.5	1960.7	1966.1	1966.1
5°	2117.4	2139.0	2149.8	*2149.8*	2144.4	2133.6	2128.2	2106.6	2079.6	2085.0
7.5°	2128.2	2122.8	2112.0	*2117.4*	2128.2	2139.0	2144.4	2149.8	2128.2	2139.0
10°	2041.8	1998.5	1982.3	*1982.3*	1976.9	2025.5	2063.4	2122.8	2128.2	2133.6
12.5°	1917.5	1836.5	1804.1	*1787.9*	1798.7	1874.3	1960.7	2085.0	2112.0	2128.2
15°	1766.3	1669.1	1620.4	*1604.2*	1636.6	1701.5	1841.9	2014.7	2079.6	2085.0
17.5°	1625.8	1512.4	1458.4	*1442.2*	1485.4	1571.8	1717.7	1976.9	2047.2	2074.2
20°	1507.0	1388.2	1318.0	*1301.8*	1350.4	1474.6	1647.4	1917.5	2025.5	2052.6
22.5°	1415.2	1280.1	1199.1	*1182.9*	1242.3	1372.0	1571.8	1868.9	1987.7	2030.9
25°	1339.6	1193.7	1107.3	*1085.7*	1150.5	1312.6	1523.2	1831.1	1976.9	2014.7
27.5°	1301.8	1139.7	1042.5	*1026.3*	1101.9	1258.5	1490.8	1793.3	1966.1	2025.5
30°	1274.7	1101.9	1004.7	*988.5*	1074.9	1242.3	1474.6	1798.7	1982.3	2052.6
32.5°	1274.7	1101.9	993.9	*977.7*	1069.5	1242.3	1485.4	1820.3	2025.5	2101.2
35°	1290.9	1123.5	1015.5	*1004.7*	1101.9	1280.1	1517.8	1863.5	2106.6	2198.4
37.5°	1339.6	1188.3	1128.9	*1112.7*	1220.7	1377.4	1604.2	1966.1	2230.8	2322.6
40°	1442.2	1339.6	1372.0	*1431.4*	1517.8	1593.4	1760.9	2133.6	2387.4	2495.5
42.5°	1598.8	1669.1	1895.9	*2074.2*	2014.7	1939.1	2003.9	2349.6	2657.5	2776.3
45°	1901.3	2193.0	2711.5	*2911.4*	2830.4	2506.3	2349.6	2646.7	2943.8	3100.4
47.5°	2301.0	2841.2	3592.0	*3921.5*	3651.4	3138.2	2743.9	3062.6	3462.3	3640.6
50°	2733.1	3683.8	4672.3	*5039.6*	4548.0	3791.8	3208.5	3559.6	4245.5	4569.6
52.5°	3224.7	4553.4	5898.4	*6308.9*	5579.7	4348.2	3656.8	4429.2	5558.1	6001.0
55°	3629.8	5282.6	7075.9	*7497.2*	6557.4	4801.9	4121.3	5936.2	7454.0	7761.9
57.5°	4088.9	5871.4	8096.8	*8674.7*	7259.6	5201.6	4656.1	7864.5	9722.6	10187.2
60°	4548.0	6665.4	9015.0	*9873.9*	8140.0	5676.9	5282.6	9225.7	10678.7	10775.9
62.5°	6119.9	8226.4	10829.9	*11451.1*	9587.6	6816.6	6130.7	8626.1	9279.7	9268.9
65°	*8372.3*	*10014.3*	*12725.8*	*13001.3*	*11305.3*	*7583.6*	*5190.8*	*6098.2*	*6541.2*	*6487.2*
67.5°	7113.7	9695.6	12558.4	*12698.8*	10738.1	6584.4	3392.1	3991.7	4002.5	3818.8
70°	6065.8	8447.9	11137.8	*9684.8*	9366.1	5709.3	2063.4	2425.3	2166.0	2047.2
72.5°	5023.4	6622.2	9112.3	*6503.4*	7961.8	4693.9	1382.8	1712.3	1442.2	1339.6
75°	4034.9	5304.2	5628.3	*4531.8*	5099.0	3775.6	1091.1	1231.5	961.5	853.4
77.5°	2743.9	3619.0	2754.7	*2630.5*	3489.3	2646.7	442.9	442.9	329.5	297.1
80°	1053.3	1604.2	1431.4	*1447.6*	1912.1	1312.6	226.9	178.2	129.6	124.2
82.5°	361.9	399.7	486.1	*545.5*	842.6	686.0	102.6	43.2	37.8	32.4
85°	64.8	194.5	199.9	*156.6*	135.0	167.4	27.0	10.8	5.4	10.8
87.5°	0.0	0.0	0.0	*0.0*	5.4	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP3-2509-541-1

Test Date: 09/16/2025

Luminaire Tested: GALN-SA1A-AMB-U-T3BC

Data in this report applies to families of products including GALN-SA1A*

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

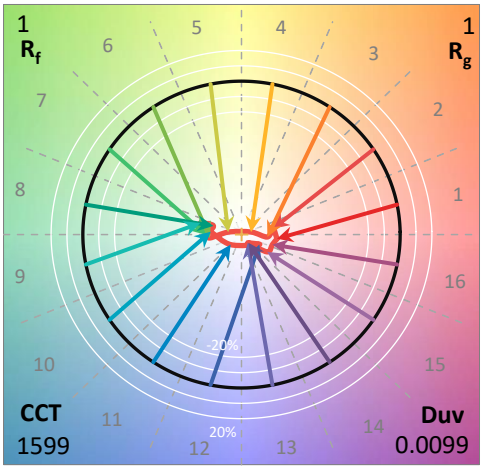
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2509-541-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP3 - 3M SPHERE
Measurement Geometry:	4π
Issue Date:	10/02/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GALN-SA1A-AMB-U-T3BC**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) AMBER, 615MA LIGHTSQUARES TYPE III ROADWAY OPTICS WITH ANGLED BACKLIGHT CONTROL HEATSINK

Spectral Parameters

CCT (K):	1599
CIE u':	0.3452
CIE v':	0.5480
Duv:	0.0099
CIE x:	0.5859
CIE y:	0.4133
CIE z:	0.0008
Peak Wavelength (nm):	596
Dominant Wavelength (nm):	591
Purity:	99.94224
Rf:	1.2
Rg:	0.9

CRI (Ra):	-22.7				
R1:	-36.4	R9:	-395.3		
R2:	50.8	R10:	26.0		
R3:	18.3	R11:	-97.2		
R4:	-69.1	R12:	-14.1		
R5:	-41.9	R13:	-17.6		
R6:	38.5	R14:	46.4		
R7:	-6.7	R15:	-69.4		
R8:	-135.4				



Test Conditions

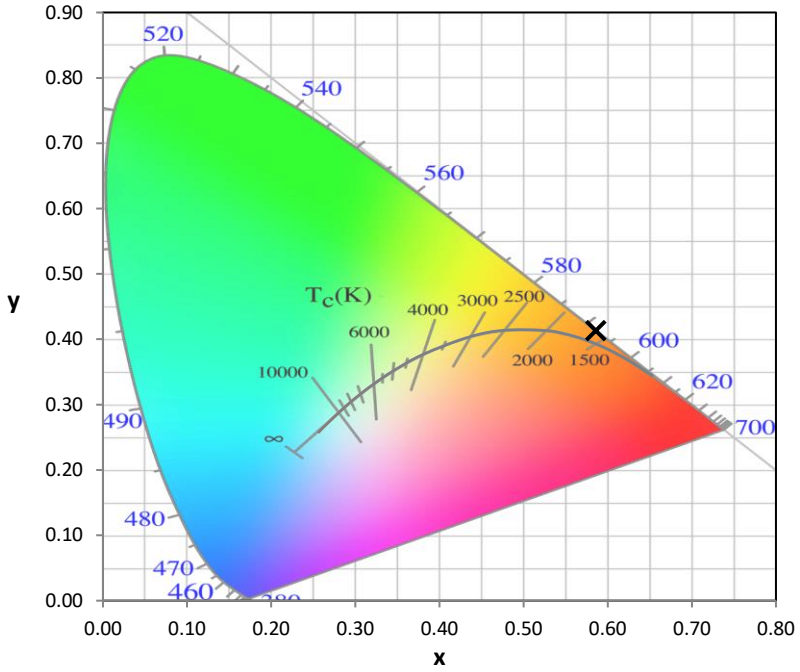
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2509-541-1

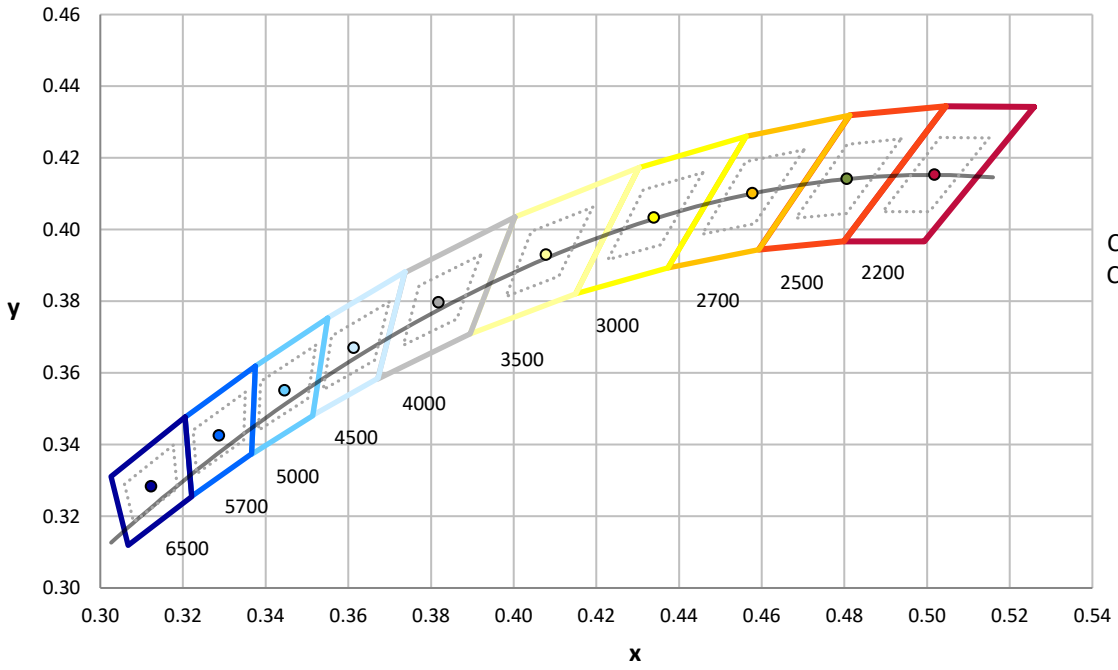
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	1/20/2025	1/20/2026
AC Power Source	CHROMA 61604 IN6064A	10/22/2024	10/22/2025
DC Power Source	EYSIGHT N5770A IN0534	10/22/2024	10/22/2025
Sphere Thermometer	TANDD IN4036E	10/22/2024	10/22/2025

REPORT NUMBER: SP3-2509-541-1

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

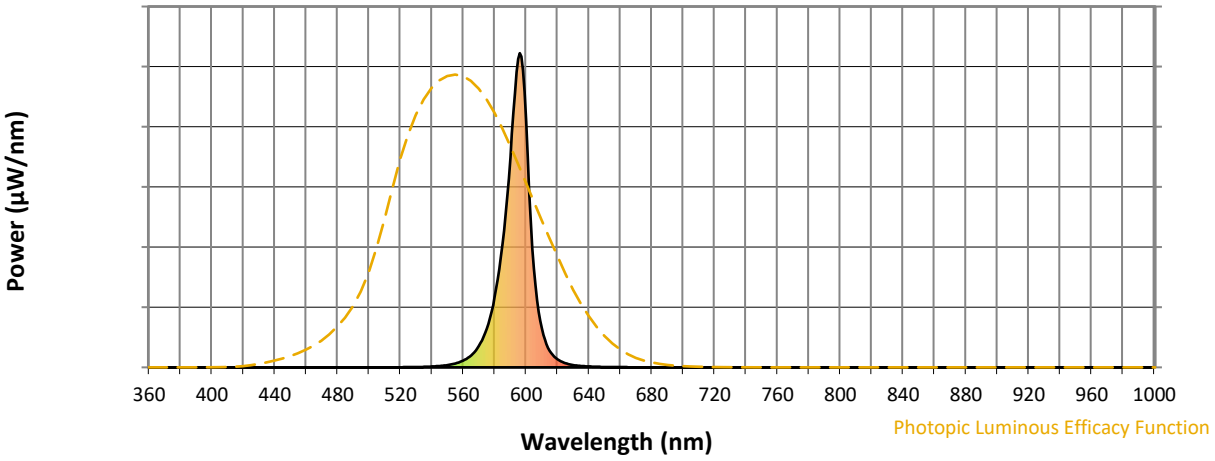


CCT = 1599K
CIE x = 0.5859
CIE y = 0.4133
Duv = 0.0099

Point lies outside the range

REPORT NUMBER: SP3-2509-541-1

Photopic Flux vs. Wavelength

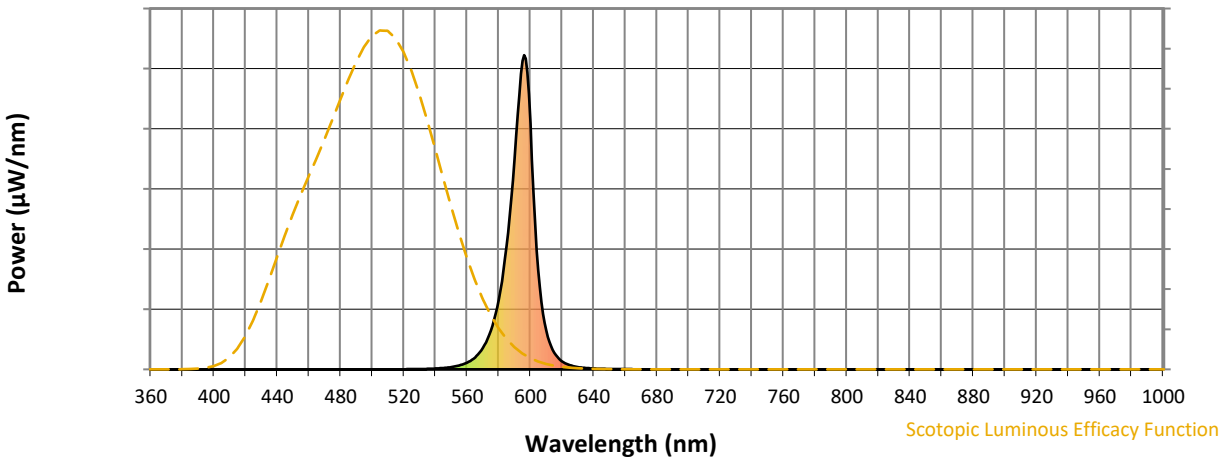


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	0	NR	620	26	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	8	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	4	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	1	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	1	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	2	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	3	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	12	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	22	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	38	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	68	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	123	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	223	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	392	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	669	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	982	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	783	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	315	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	124	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	53	NR	745	0	NR	875	0	NR			

REPORT NUMBER: SP3-2509-541-1

Scotopic Flux vs. Wavelength

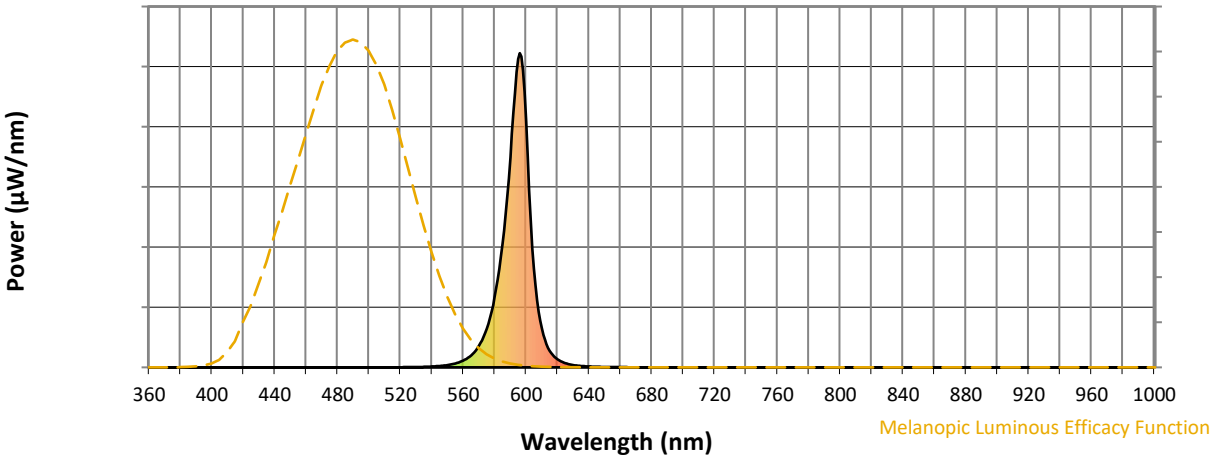


Scotopic Lumens: NR **S/P: 0.23**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	0	NR	620	26	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	8	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	4	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	1	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	1	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	2	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	3	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	12	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	22	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	38	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	68	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	123	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	223	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	392	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	669	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	982	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	783	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	315	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	124	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	53	NR	745	0	NR	875	0	NR			

REPORT NUMBER: SP3-2509-541-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 0.13**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	0	NR	620	26	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	8	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	4	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	1	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	1	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	2	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	3	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	12	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	22	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	38	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	68	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	123	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	223	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	392	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	669	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	982	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	783	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	315	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	124	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	53	NR	745	0	NR	875	0	NR			

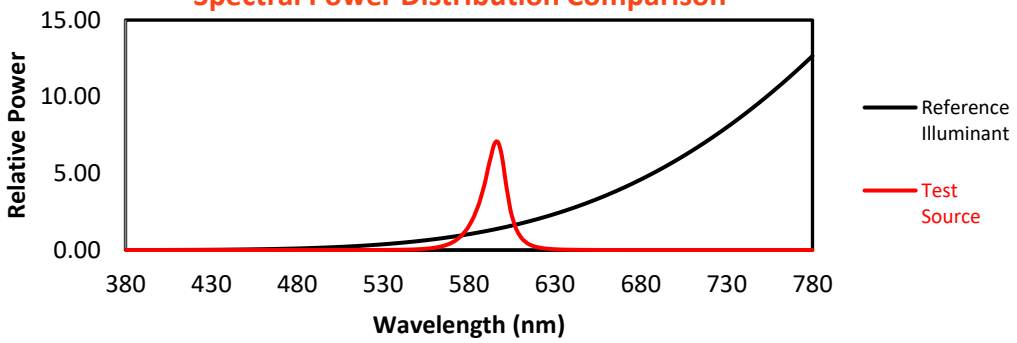
REPORT NUMBER: SP3-2509-541-1

TM-30-18

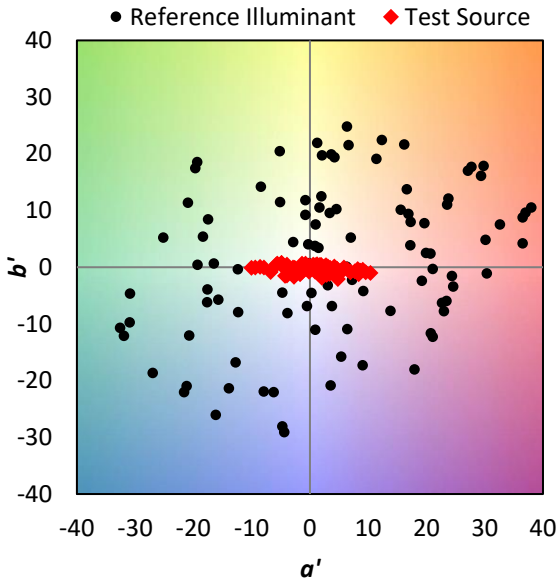
Summary

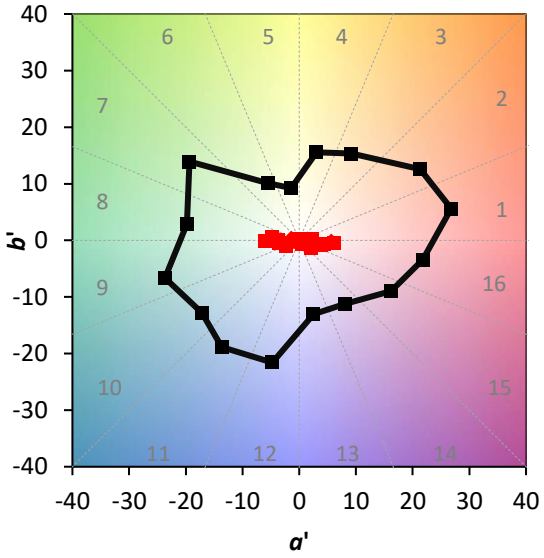
R_f = 1.2
R_g = 0.9
CIE R_a = -22.7
R_9 = -395.3

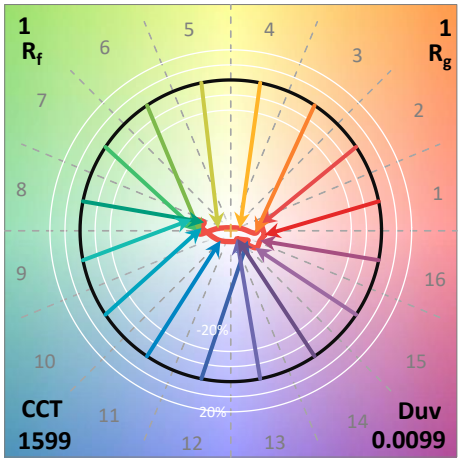
Spectral Power Distribution Comparison

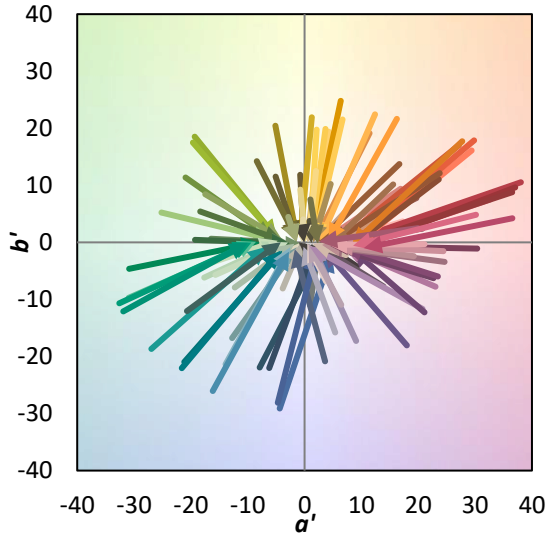


Color Vector Graphics







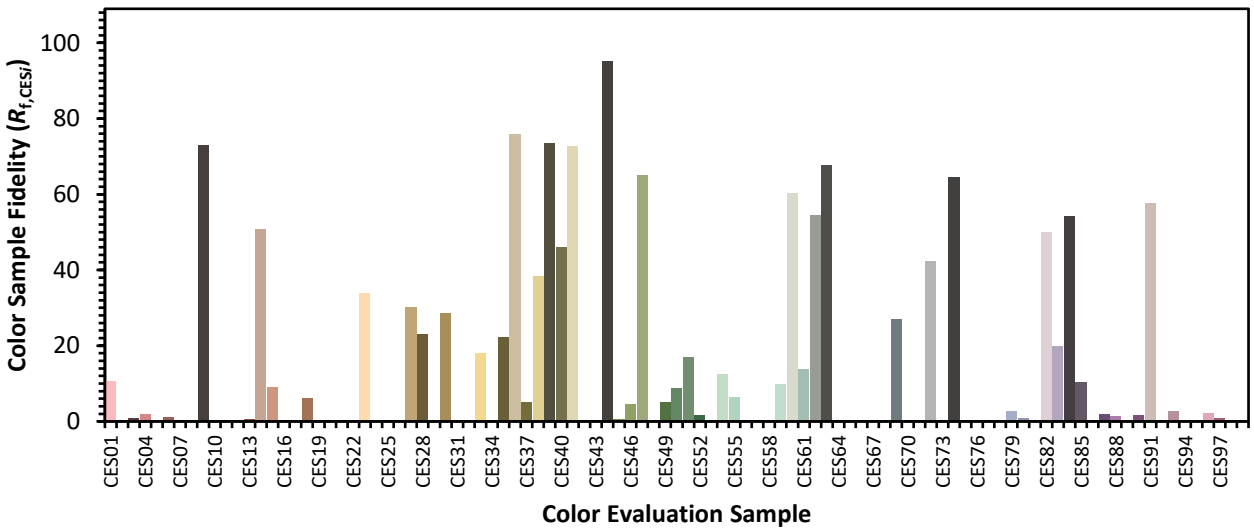


REPORT NUMBER: SP3-2509-541-1

TM-30-18

Individual Sample Fidelity Index ($R_{f,i}$)

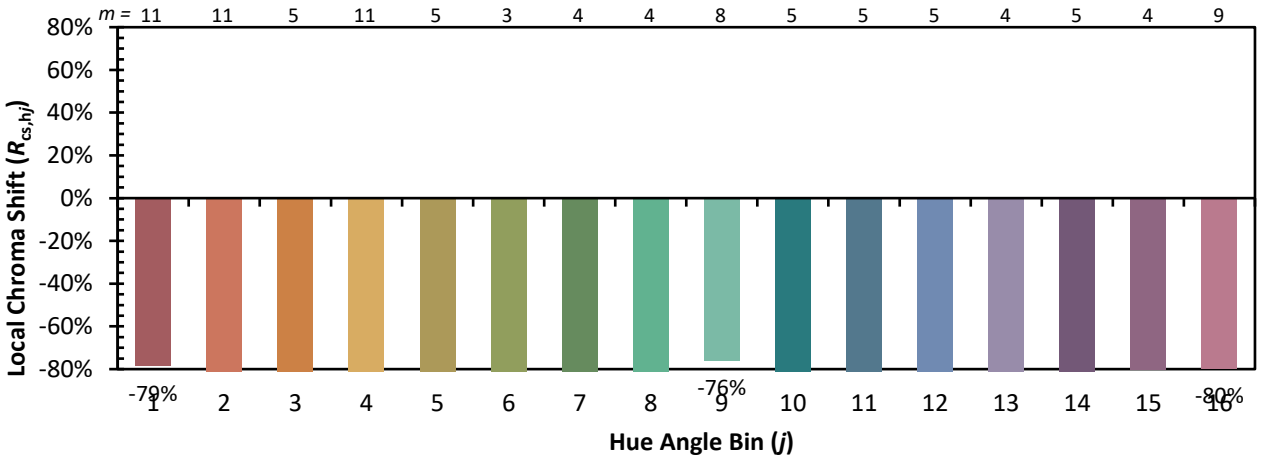
CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 69	CES27 = 30	CES52 = 2	CES77 = 0
CES03 = 30	CES28 = 23	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 0	CES54 = 12	CES79 = 3
CES05 = 51	CES30 = 29	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 40	CES32 = 0	CES57 = 0	CES82 = 50
CES08 = 38	CES33 = 18	CES58 = 0	CES83 = 20
CES09 = 29	CES34 = 0	CES59 = 10	CES84 = 54
CES10 = 87	CES35 = 22	CES60 = 60	CES85 = 10
CES11 = 70	CES36 = 76	CES61 = 14	CES86 = 0
CES12 = 75	CES37 = 5	CES62 = 55	CES87 = 2
CES13 = 46	CES38 = 38	CES63 = 68	CES88 = 1
CES14 = 76	CES39 = 73	CES64 = 0	CES89 = 0
CES15 = 74	CES40 = 46	CES65 = 0	CES90 = 2
CES16 = 49	CES41 = 73	CES66 = 0	CES91 = 58
CES17 = 56	CES42 = 0	CES67 = 0	CES92 = 0
CES18 = 59	CES43 = 0	CES68 = 0	CES93 = 3
CES19 = 80	CES44 = 95	CES69 = 27	CES94 = 0
CES20 = 71	CES45 = 1	CES70 = 0	CES95 = 0
CES21 = 94	CES46 = 5	CES71 = 0	CES96 = 2
CES22 = 86	CES47 = 65	CES72 = 42	CES97 = 1
CES23 = 94	CES48 = 0	CES73 = 0	CES98 = 0
CES24 = 95	CES49 = 5	CES74 = 65	CES99 = 0
CES25 = 79	CES50 = 9	CES75 = 0	

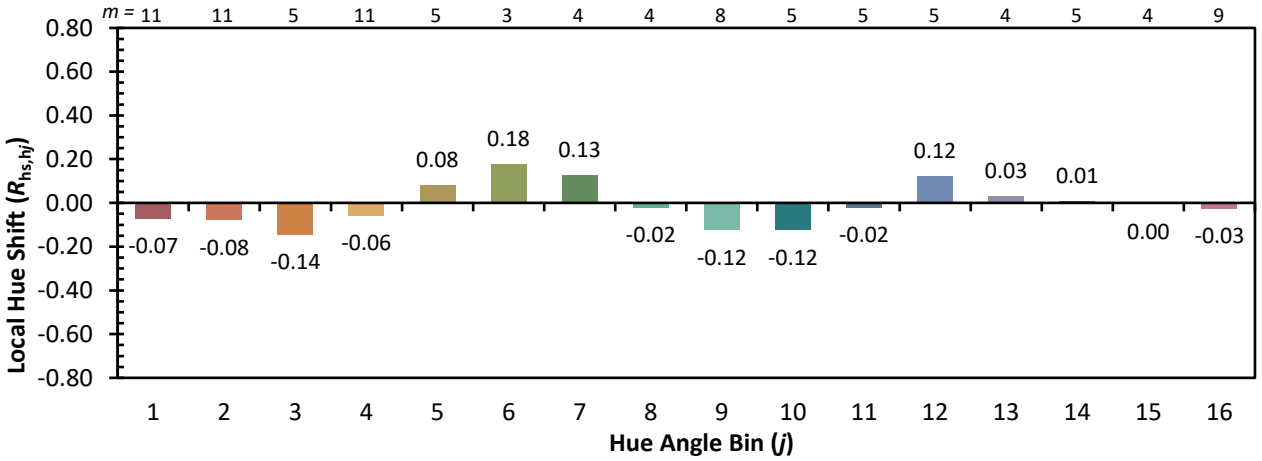


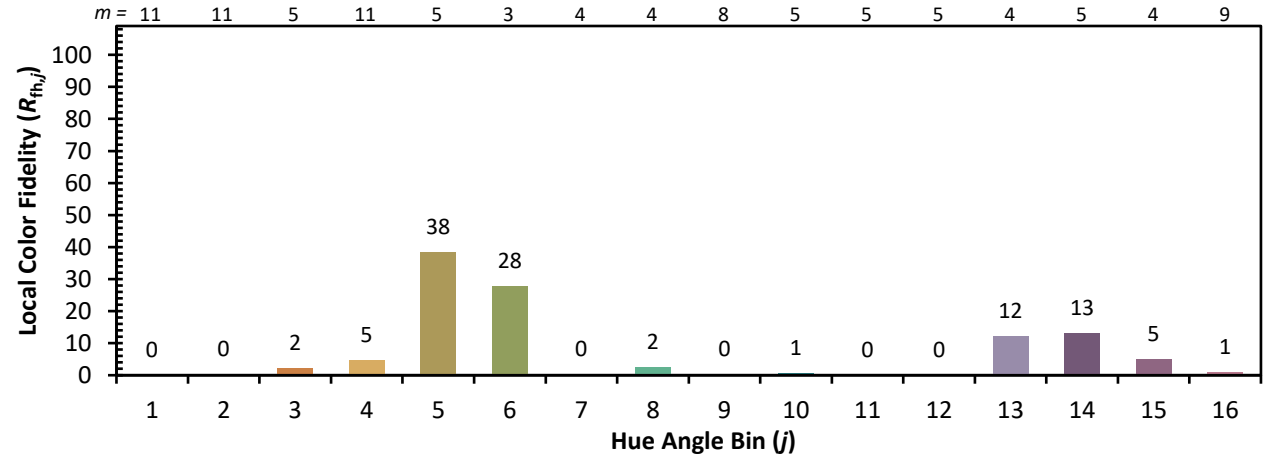
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Color Rendition by Hue-Angle Bin



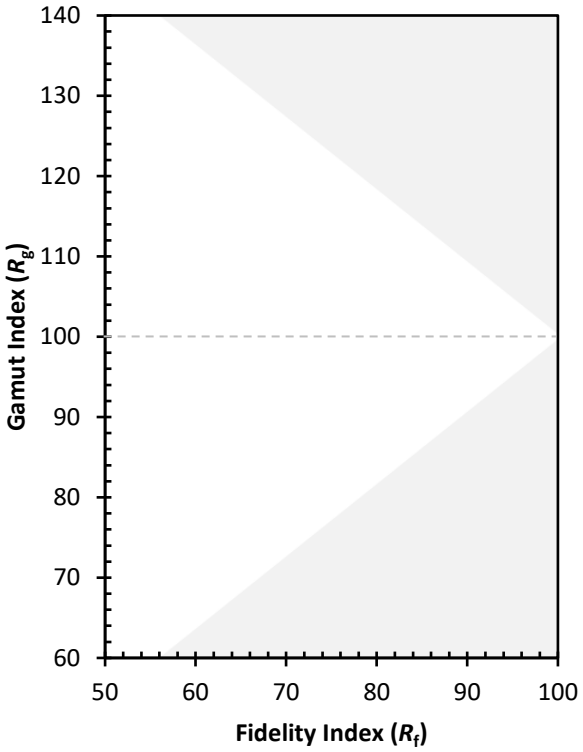


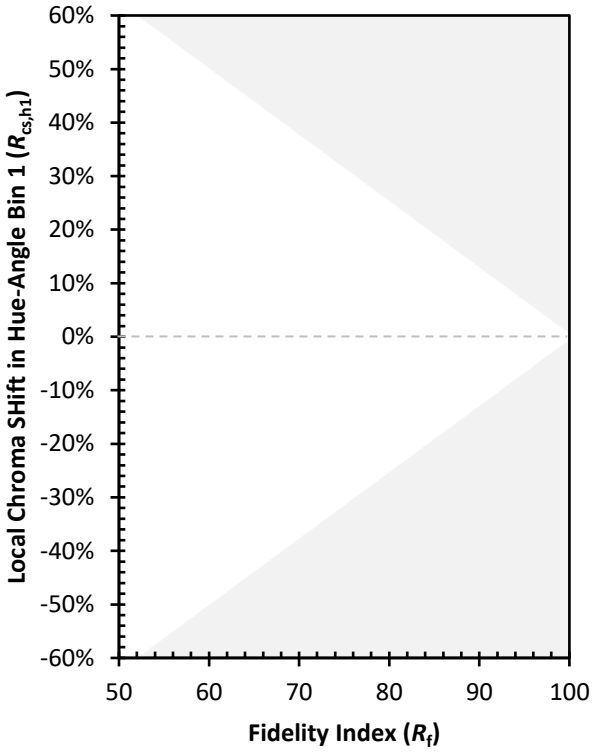


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Measure Comparisons





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